

**Welcome to DialogClassic Web(tm)**

Dialog level 05.15.00D  
Last logoff: 28dec06 13:29:46  
Logon file001 28dec06 17:49:39  
>>>PROFILE is in a suspended state.  
>>>Contact Dialog Customer Services to re-activate it.  
\* \* \*

File 1:ERIC 1965-2006/Nov  
(c) format only 2006 Dialog  
**\*File 1: ERIC has been reloaded effective Dec 1, 2006.**  
Accession numbers have changed.

Set	Items	Description
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Cost is in DialUnits  
?

B 155, 5, 73  
28dec06 17:49:46 User259876 Session D964.1  
\$0.41 0.118 DialUnits File1  
\$0.41 Estimated cost File1  
\$0.03 INTERNET  
\$0.44 Estimated cost this search  
\$0.44 Estimated total session cost 0.118 DialUnits

SYSTEM:OS - DIALOG OneSearch  
File 155:MEDLINE(R) 1950-2006/Dec 06  
(c) format only 2006 Dialog  
**\*File 155: MEDLINE has temporarily stopped updating with UD=20061206.**  
Please see HELP NEWS154 for details.  
File 5:Biosis Previews(R) 1969-2006/Dec W4  
(c) 2006 The Thomson Corporation  
File 73:EMBASE 1974-2006/Dec 28  
(c) 2006 Elsevier B.V.  
**\*File 73: Elsevier did not provide updates to Embase on 12/25 or 12/26.**

Set	Items	Description
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?

S (DSRNA) (S) (VECTOR)  
21575 DSRNA  
321979 VECTOR  
S1 317 (DSRNA) (S) (VECTOR)

?

S S1 AND (MICROORGANISM OR (E (W) COLI) OR NEMATODE OR (C (W) ELEGANS))  
317 S1  
182657 MICROORGANISM  
2124936 E  
729633 COLI  
221484 E(W)COLI  
67719 NEMATODE.  
4445297 C  
47826 ELEGANS  
18069 C(W)ELEGANS  
S2 26 S1 AND (MICROORGANISM OR (E (W) COLI) OR NEMATODE OR (C  
(W) ELEGANS))

?

S S2 AND ((T7 OR T3 OR SP6) (W) PROMOTER)  
                   26 S2  
                   20184 T7  
                   56528 T3  
                   1990 SP6  
                   365049 PROMOTER  
                   3418 ((T7 OR T3) OR SP6) (W) PROMOTER  
 S3                  0 S2 AND ((T7 OR T3 OR SP6) (W) PROMOTER)  
 ?

Set	Items	Description
S1	317	(DSRNA) (S) (VECTOR)
S2	26	S1 AND (MICROORGANISM OR (E (W) COLI) OR NEMATODE OR (C (W) ELEGANS))
S3	0	S2 AND ((T7 OR T3 OR SP6) (W) PROMOTER)

?

RD S2  
       S4          16 RD S2 (unique items)  
 ?

S S4 NOT PY>1998  
                   16 S4  
                   12808416 PY>1998  
 S5                  7 S4 NOT PY>1998  
 ?

T S5/3,K/ALL

5/3,K/1 (Item 1 from file: 155)  
 DIALOG(R) File 155:MEDLINE(R)  
 (c) format only 2006 Dialog. All rts. reserv.

11809139 PMID: 9634098

**Citrus psorosis virus: nucleotide sequencing of the coat protein gene and detection by hybridization and RT-PCR.**

Barthe G A; Ceccardi T L; Manjunath K L; Derrick K S  
 Citrus Research and Education Center, IFAS, University of Florida, Lake Alfred 33850, USA. gab@icon.lal.ufl.edu

Journal of general virology (ENGLAND) Jun 1998, 79 ( Pt 6) p1531-7,  
 ISSN 0022-1317--Print Journal Code: 0077340

Publishing Model Print  
 Document type: Journal Article  
 Languages: ENGLISH  
 Main Citation Owner: NLM  
 Record type: MEDLINE; Completed

... cDNA library of purified short particles from isolate CPV-4 was prepared in a Lambda vector and screened for expression of the coat protein gene (CPG) with a monoclonal antibody to...

... clones indicated a single ORF encoding a 49 kDa protein. This ORF, when expressed in E. coli, gave a protein identical in size and immunoreactivity to the CPV coat protein. A full...

... the CPG was not found on RNA extracted from long particles or on the sedimentable dsRNA from CPV infected tissue. RT-PCR assays were developed for the amplification of a 600...

5/3,K/2 (Item 2 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

11233725. PMID: 9007060

**Complementation of deletion of the vaccinia virus E3L gene by the Escherichia coli RNase III gene.**

Shors T; Jacobs B L

Department of Microbiology and the Graduate Program in Molecular and Cellular Biology, Arizona State University, Tempe, Arizona, 85287-2701, USA.

Virology (UNITED STATES) Jan 6 1997, 227 (1) p77-87, ISSN 0042-6822

--Print Journal Code: 0110674

Contract/Grant No.: CA-48654; CA; NCI

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... vaccinia virus that is deleted of its E3L gene. Like E3L, rnc+ codes for a dsRNA binding protein that contains an additional nucleolytic activity. Rnc genes were cloned into the eukaryotic expression vector pMTVa-, expressed in COS-1 cells, and shown to be functional. Transient rescue experiments in...

... gene, which encodes a product deficient in catalytic activity but still capable of binding to dsRNA, rescued vp1080 weakly. The rnc 105 gene, which encodes a product that cannot bind or cleave dsRNA, was unable to rescue vp1080. The rnc genes were also inserted into the E3L locus...

... in the recombinant containing the rnc+ gene: Thus, the ability of RNase III to process dsRNA appears to be necessary to restore the host range phenotype. The vp-rnc 105 recombinant...

...Enzyme No.: Endoribonucleases; EC 3.1.26.3 (Ribonuclease III); EC 3.1.26.3 (ribonuclease III, E coli)

...Chemical Name: Proteins; Recombinant Proteins; Viral Proteins; Poly I; Poly C; Interferons; Endoribonucleases; Ribonuclease III; ribonuclease III, E coli

5/3,K/3 (Item 1 from file: 5)

DIALOG(R) File 5:Biosis Previews(R)

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0011015365 BIOSIS NO.: 199799649425

**Coat protein gene of a Brazilian isolate of the citrus tristeza virus:**

**Cloning, expression in E. coli and production of polyclonal antiserum**

AUTHOR: Targon Maria L P N (Reprint); Nikolaeva Olga; Manjunath Keremane L; Lee Richard F; Muller Gerd W (Reprint); Machado Marcos A (Reprint)

AUTHOR ADDRESS: Centro de Citricultura Sylvio Moreira, Inst. Agronomico de Campinas, Caixa Postal 4, 13490-970 Cordeiropolis, SP, Brazil\*\*Brazil

JOURNAL: Fitopatologia Brasileira 22 (1): p99-102 1997 1997

ISSN: 0100-4158

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

**Coat protein gene of a Brazilian isolate of the citrus tristeza virus:**

**Cloning, expression in E. coli and production of polyclonal antiserum**

ABSTRACT: A double stranded RNA ( dsRNA ) corresponding to the single stranded RNA replicative form of citrus tristeza virus (CTV) was isolated ...

...infected lyophilized bark tissue of sweet orange (Citrus sinensis L. Osb.) Pera Ipiqua. The CTV dsRNA was used as a template for the first strand cDNA synthesis by MuMLV reverse transcriptase...

...amplified by PCR using CTV specific primers. The amplification product was cloned into the expression vector pMAL-c2 and transformed into DH 5-alpha E . coli cells. The expression of the fusion protein (CTV coat protein fused to a fragment of the E . coli maltose binding protein) was induced by IPTG. The protein was purified by amylose resin affinity ...

**5/3,K/4 (Item 2 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

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0010694949 BIOSIS NO.: 199799329009

**Characterization of cucurbit yellow stunting disorder virus, a Bemisia tabaci-transmitted closterovirus**

AUTHOR: Celix Ana; Lopez-Sese Anabel; Almarza Nuria; Gomez-Guillamon Maria Luisa; Rodriguez-Cerezo Emilio (Reprint)

AUTHOR ADDRESS: Cent. Nac. Biotecnol.-CSIC, Catoblanco, 28049 Madrid, Spain  
\*\*Spain

JOURNAL: Phytopathology 86 (12): p1370-1376 1996 1996

ISSN: 0031-949X

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: shown to be transmitted specifically by the tobacco whitefly (Bemisia tabaci), was retained by the vector for at least 7 days, and had an experimental host range restricted to members of...

...and 875 to 900 nm. Analysis of double-stranded (ds) RNA extracts revealed two major dsRNA species of approximately 8 and 9 kbp. Random cDNA cloning of viral dsRNA was performed, and a virus-specific cDNA clone (p410) of 557 nucleotides that hybridized with the smaller of the two viral dsRNA species was identified. Computer-assisted analysis showed that the deduced amino acid sequence of p410...

DESCRIPTORS:

...ORGANISMS: microorganism (Microorganisms

**5/3,K/5 (Item 3 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

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0009804513 BIOSIS NO.: 199598272346

**A comovirus affecting tabasco pepper in Central America**

AUTHOR: Valverde R A; Black L L; Dufresne D J

AUTHOR ADDRESS: Dep. Plant Pathol. Crop Physiol., La. Agric. Exp. Stn., La. State Univ. Agric. Cent., Baton Rouge, LA 70803-7511, USA\*\*USA

JOURNAL: Plant Disease 79 (4): p421-423 1995 1995

ISSN: 0191-2917

DOCUMENT TYPE: Article

RECORD TYPE: Abstract  
LANGUAGE: English

...ABSTRACT: mottle in C. annuum. The virus was purified, and an antiserum was prepared. Viral ssRNA, dsRNA, and coat protein were analyzed by gel electrophoresis. Light and electron microscopy studies indicated that...

...bean pod mottle viruses. The banded cucumber beetle (Diabrotica balteata) was determined to be a vector of APMV-P.

DESCRIPTORS:

...ORGANISMS: microorganism (Microorganisms)

5/3,K/6 (Item 4 from file: 5)

DIALOG(R)File 5: Biosis Previews(R)

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0009223438 BIOSIS NO.: 199497244723

**Detection of grapevine leafroll-associated closterovirus III by molecular hybridization**

AUTHOR: Saldarelli P (Reprint); Minafra A; Martelli G P; Walter B

AUTHOR ADDRESS: Dip. Prot. Piante, Univ. degli Studi, Cent. Studi, Via Amendola 165/A, 70126 Bari, Italy\*\*Italy

JOURNAL: Plant Pathology (Oxford) 43 (1): p91-96 1994 1994

ISSN: 0032-0862

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: and enzymatic digestion. Complementary (c) DNA fragments of various lengths, obtained by random priming denatured dsRNA templates, were cloned into the plasmid pUC-18 at the SmaI site in Escherichia coli ...

...grapevine closterovirus A (GVA) and B (GVB). A riboprobe (pGEM23ds) transcribed from p23ds in transcription vector pGEM3zf specifically recognized GLRaV III sequences, but not GLRaV I or GVA sequences, in extracts from differently infected vines. Moreover, in Northern blots, the same probe hybridized also with smaller dsRNA components, which may be replicative forms of subgenomic RNAs.

DESCRIPTORS:

...ORGANISMS: microorganism (Microorganisms)

5/3,K/7 (Item 1 from file: 73)

DIALOG(R)File 73: EMBASE

(c) 2006 Elsevier B.V. All rts. reserv.

00808222 EMBASE No: 1977153733

**Electrophoretic separation of dsRNA genome segments from maize wallaby ear virus and its relationship to other phyto-reoviruses**

Reddy D.V.R.; Grylls N.E.; Black L.M.

Dept. Genet. Developm., Univ. Illinois, Urbana, Ill. 61801 United States

Virology (VIROLOGY) 1976, 73/1 (36-42)

CODEN: VIRLA

DOCUMENT TYPE: Journal

LANGUAGE: ENGLISH

...10sup 6 in PTE and Loening's buffer, respectively. Extracts from the virus free leafhopper vector, Cicadulina bimaculata, contained two dsRNA

segments of molecular weight  $1.15 \times 10^6$  and  $1.08 \times 10^6$  in PTE buffer. Extracts from viruliferous insects also contained these same 2 dsRNA segments in addition to the 10 segments of maize wallaby ear virus. The electrophoretic pattern of dsRNA components of maize wallaby ear virus was similar to those of maize rough dwarf virus...

## MEDICAL DESCRIPTORS:

in vitro study; theoretical study; microorganism ; classification; plant ?

Set	Items	Description
S1	317	(DSRNA) (S) (VECTOR)
S2	26	S1 AND (MICROORGANISM OR (E (W) COLI) OR NEMATODE OR (C (W) ELEGANS))
S3	0	S2 AND ((T7 OR T3 OR SP6) (W) PROMOTER)
S4	16	RD S2 (unique items)
S5	7	S4 NOT PY>1998

?

S S1 NOT PY>1998  
                   317 S1  
                   12808416 PY>1998  
           S6          92 S1 NOT PY>1998

?

RD  
           S7          46 RD (unique items)

?

S S7 AND T7  
                   46 S7  
                   20184 T7  
           S8          3 S7 AND T7

?

T S8/3,K/ALL

8/3,K/1 (Item 1 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 2006 Dialog. All rts. reserv.

10790910 PMID: 8576179

**Double-stranded (ds) RNA binding and not dimerization correlates with the activation of the dsRNA-dependent protein kinase (PKR).**

Wu S; Kaufman R J  
 Howard Hughes Medical Institute, University of Michigan Medical Center,  
 Ann Arbor 48109, USA.  
 Journal of biological chemistry (UNITED STATES) Jan 19 1996, 271 (3)  
 p1756-63, ISSN 0021-9258--Print Journal Code: 2985121R  
 Publishing Model Print  
 Document type: Journal Article  
 Languages: ENGLISH  
 Main Citation Owner: NLM  
 Record type: MEDLINE; Completed

Upon binding to double-stranded (ds) RNA, the dsRNA -dependent protein kinase (PKR) sequentially undergoes autophosphorylation and activation. Activated PKR may exist as a...

... to inhibit polypeptide chain initiation. Transfection of COS-1 cells

with a plasmid cDNA expression vector encoding a marker gene, activates endogenous PKR, and selectively inhibits translation of the marker mRNA, dihydrofolate reductase (DHFR). This system was used to study the dsRNA binding and dimerization requirements for over-expressed PKR mutants and subdomains to affect DHFR translation...

... an ATP hydrolysis defective mutant PKR K296P, the amino-terminal 1-243 fragment containing two dsRNA binding motifs, or the isolated first RNA binding motif (amino acids 1-123). Mutation of K64E within the dsRNA binding motif 1 destroyed dsRNA binding and the ability to rescue DHFR translation. Immunoprecipitation of T7 epitope-tagged PKR derivatives from cell lysates detected interaction between intact PKR and the amino...

... disrupt this interaction. In contrast, intact PKR did not interact with fragments containing the first dsRNA binding motif (1-123), the second dsRNA binding motif (98-243), or the isolated PKR kinase catalytic domain (228-551). These results...

... the dominant negative PKR mutant does not require dimerization, but requires the ability to bind dsRNA and indicate these mutants act by competition for binding to activators.

8/3,K/2 (Item 2 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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08587594 PMID: 2216712

**Removal of double-stranded contaminants from RNA transcripts: synthesis of adenovirus VA RNAI from a T7 vector.**

Mellits K H; Pe'ery T; Manche L; Robertson H D; Mathews M B

Cold Spring Harbor Laboratory, New York, NY 11724.

Nucleic acids research (ENGLAND) Sep 25 1990, 18 (18) p5401-6,

ISSN 0305-1048--Print Journal Code: 0411011

Contract/Grant No.: CA13106; CA; NCI; GM28294; GM; NIGMS

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

**Removal of double-stranded contaminants from RNA transcripts: synthesis of adenovirus VA RNAI from a T7 vector.**

... lead to errors of interpretation. We cloned the gene encoding Ad2 VA RNAI into a vector containing a T7 RNA polymerase promoter in order to generate large quantities of VA RNA for the study of its interaction with the dsRNA -dependent protein kinase DAI. Exact copies of VA RNAI were synthesized efficiently, but were contaminated with small amounts of dsRNA which activated DAI and confounded interpretation of kinase assays. We therefore developed a method to remove the dsRNA contaminants, allowing VA RNAI and mutants to be tested for their ability to activate or...

8/3,K/3 (Item 1 from file: 5)

DIALOG(R) File 5:BIOSIS Previews(R)

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0007337491 BIOSIS NO.: 199090121970

REMOVAL OF DOUBLE-STRANDED CONTAMINANTS FROM RNA TRANSCRIPTS SYNTHESIS OF ADENOVIRUS VA RNA-1 FROM A T7 VECTOR

AUTHOR: MELLITS K H (Reprint); PE'ERY T; MANCHE L; ROBERTSON H D; MATHEWS M  
 B  
 AUTHOR ADDRESS: COLD SPRING HARBOR LAB, PO BOX 100, COLD SPRING HARBOUR,  
 NEW YORK, NY 11724, USA\*\*USA  
 JOURNAL: Nucleic Acids Research 18 (18): p5401-5406 1990  
 ISSN: 0305-1048  
 DOCUMENT TYPE: Article  
 RECORD TYPE: Abstract  
 LANGUAGE: ENGLISH

...OF DOUBLE-STRANDED CONTAMINANTS FROM RNA TRANSCRIPTS SYNTHESIS OF  
 ADENOVIRUS VA RNA-1 FROM A T7 VECTOR

...ABSTRACT: lead to errors of interpretation. We cloned the gene encoding  
 Ad2 VA RNA1 into a vector containing a T7 RNA polymerase promoter in  
 order to generate large quantities of VA RNA for the study of its  
 interaction with the dsRNA -dependent protein kinase DAI. Exact copies  
 of VA RNA1 were synthesized efficiently, but were contaminated with small  
 amounts of dsRNA which activated DAI and confounded interpretation of  
 kinase assays. We therefore developed a method to remove the dsRNA  
 contaminants, allowing VA RNA1 and mutants to be tested for their ability  
 to activate or...

DESCRIPTORS: BACTERIOPHAGE T7 RNA POLYMERASE CLONE

?

Set	Items	Description
S1	317	(DSRNA) (S) (VECTOR)
S2	26	S1 AND (MICROORGANISM OR (E (W) COLI) OR NEMATODE OR (C (W) ELEGANS))
S3	0	S2 AND ((T7 OR T3 OR SP6) (W) PROMOTER)
S4	16	RD S2 (unique items)
S5	7	S4 NOT PY>1998
S6	92	S1 NOT PY>1998
S7	46	RD (unique items)
S8	3	S7 AND T7

?

S S7 AND (SPECIFIC (W) INTERFERENCE)

	46	S7
	3026758	SPECIFIC
	148278	INTERFERENCE
	601	SPECIFIC(W)INTERFERENCE
S9	0	S7 AND (SPECIFIC (W) INTERFERENCE)

?

Set	Items	Description
S1	317	(DSRNA) (S) (VECTOR)
S2	26	S1 AND (MICROORGANISM OR (E (W) COLI) OR NEMATODE OR (C (W) ELEGANS))
S3	0	S2 AND ((T7 OR T3 OR SP6) (W) PROMOTER)
S4	16	RD S2 (unique items)
S5	7	S4 NOT PY>1998
S6	92	S1 NOT PY>1998
S7	46	RD (unique items)
S8	3	S7 AND T7
S9	0	S7 AND (SPECIFIC (W) INTERFERENCE)

?



S (DSRNA) AND (T7 AND PLASMID)  
21575 DSRNA  
20184 T7  
213767 PLASMID  
S10 26 (DSRNA) AND (T7 AND PLASMID)

?

RD  
S11 13 RD (unique items)

?

S S11 NOT PY>1998  
13 S11  
12808416 PY>1998  
S12 5 S11 NOT PY>1998

?

T S12/3,K/ALL

12/3,K/1 (Item 1 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
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11313803 PMID: 9126552

**Synthesis and purification of single-stranded RNA for use in experiments with PKR and in cell-free translation systems.**

Pe'ery T; Mathews M B  
Cold Spring Harbor Laboratory, New York 11724, USA. peeryts@umdnj.edu  
Methods (San Diego, Calif.) (UNITED STATES) Apr 1997, 11 (4) p371-81  
, ISSN 1046-2023--Print Journal Code: 9426302  
Contract/Grant No.: AI31802; AI; NIAID; AI34552; AI; NIAID; CA13106; CA;  
NCI

Publishing Model Print  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

... of the initiation of protein synthesis. It can be activated by very low concentrations of dsRNA and inhibited by small structured RNAs or high concentrations of dsRNA. The best-studied inhibitor of PKR activation is adenovirus VA RNA1. Its gene was cloned into a plasmid under the control of the T7 RNA polymerase promoter, and the optimization of VA RNA transcription is described. A dsRNA by-product of the transcription reaction activates PKR in kinase autophosphorylation assays, and hence a purification protocol that allows the separation and removal of dsRNA contaminants was developed. A scheme to analyze the RNA product with specific nucleases is discussed. In a reticulocyte cell-free translation system the activation of PKR by dsRNA contaminating a synthetic mRNA preparation is likely to lead to shut-off of translation. An ...

; Bacteriophage T7 --genetics--GE; Cell-Free System; Electrophoresis, Polyacrylamide Gel; RNA, Messenger--genetics--GE; RNA, Viral--isolation...

12/3,K/2 (Item 2 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2006 Dialog. All rts. reserv.

10790910 PMID: 8576179

**Double-stranded (ds) RNA binding and not dimerization correlates with the activation of the dsRNA-dependent protein kinase (PKR).**

Wu S; Kaufman R J

Howard Hughes Medical Institute, University of Michigan Medical Center, Ann Arbor 48109, USA.

Journal of biological chemistry (UNITED STATES) Jan 19 1996, 271 (3) p1756-63, ISSN 0021-9258--Print Journal Code: 2985121R

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

**Double-stranded (ds) RNA binding and not dimerization correlates with the activation of the dsRNA -dependent protein kinase (PKR).**

Upon binding to double-stranded (ds) RNA, the dsRNA -dependent protein kinase (PKR) sequentially undergoes autophosphorylation and activation. Activated PKR may exist as a...

... cIF-2 alpha) to inhibit polypeptide chain initiation. Transfection of COS-1 cells with a plasmid cDNA expression vector encoding a marker gene, activates endogenous PKR, and selectively inhibits translation of the marker mRNA, dihydrofolate reductase (DHFR). This system was used to study the dsRNA binding and dimerization requirements for over-expressed PKR mutants and subdomains to affect DHFR translation...

... an ATP hydrolysis defective mutant PKR K296P, the amino-terminal 1-243 fragment containing two dsRNA binding motifs, or the isolated first RNA binding motif (amino acids 1-123). Mutation of K64E within the dsRNA binding motif 1 destroyed dsRNA binding and the ability to rescue DHFR translation. Immunoprecipitation of T7 epitope-tagged PKR derivatives from cell lysates detected interaction between intact PKR and the amino...

... disrupt this interaction. In contrast, intact PKR did not interact with fragments containing the first dsRNA binding motif (1-123), the second dsRNA binding motif (98-243), or the isolated PKR kinase catalytic domain (228-551). These results...

... the dominant negative PKR mutant does not require dimerization, but requires the ability to bind dsRNA and indicate these mutants act by competition for binding to activators.

12/3,K/3 (Item 3 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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10054576 PMID: 7514825

**Expression of the non-structural protein NS1 of bluetongue virus in bacteria and yeast: identification of two antigenic sites at the amino terminus.**

Gould A R; Martyn J C; Stevenson L

C.S.I.R.O., Australian Animal Health Laboratory, Geelong, Victoria.

Virus research (NETHERLANDS) Mar 1994, 31 (3) p291-303, ISSN 0168-1702--Print Journal Code: 8410979

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

cDNA transcribed from bluetongue virus serotype 1 (Australia) dsRNA 5 coding for non-structural protein NS1 was amplified in a polymerase chain reaction and ligated downstream of the T7 RNA polymerase promoter in the bacterial expression plasmid pET-5b, as a fusion protein with glutathione S-transferase using the pGEX bacterial expression system or the metallothionein promoter in the yeast expression plasmid pYELC5. The linear epitopes bound by six monoclonal antibodies to NS1 were localised to two...

**12/3,K/4 (Item 1 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)  
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0010322930 BIOSIS NO.: 199698790763

**Translation of the reovirus M1 gene initiates from the first AUG codon in both infected and transfected cells**

AUTHOR: Zou S; Brown E G (Reprint)

AUTHOR ADDRESS: Dep. Microbiology Immunology, Fac. Med., Univ. Ottawa, 451 Smyth Road, Ottawa, ON K1H 8M5, Canada\*\*Canada

JOURNAL: Virus Research 40 (1): p75-89 1996 1996

ISSN: 0168-1702

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: in loss of detection of mu-2 expression. When expression was driven by the stronger T7 promoter in the presence of recombinant vaccinia virus expressing the T7 RNA polymerase, constructs with the M1 5'-terminal deletion produced a smaller protein product of...

...that the apprx 73 kDa product was expressed when the M1 gene was in different plasmid backgrounds and even when the M1 gene transcript was preceded by a 1 kb gene...

DESCRIPTORS:

...BIOSYSTEMATIC NAMES: dsRNA Viruses, Viruses, Microorganisms

**12/3,K/5 (Item 2 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)  
(c) 2006 The Thomson Corporation. All rts. reserv.

0007677865 BIOSIS NO.: 199191060756

**EXPRESSION OF BLUETONGUE VIRUS SEROTYPE 17 NS1 PROTEIN FROM A CLONED GENE**

AUTHOR: GRUBMAN M J (Reprint)

AUTHOR ADDRESS: US DEP AGRIC, ARS, NAA, PLUM ISLAND ANIMAL DISEASE CENTER, PO BOX 848, GREENPORT, NY 11944, USA\*\*USA

JOURNAL: Virus Research 18 (1): p21-28 1990

ISSN: 0168-1702

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

...ABSTRACT: overlapping cDNA clones. The gene coding for the NS1 protein was cloned into an expression plasmid under the control of a bacteriophage T7 promoter and expressed both in vitro and in Escherichia coli BL21(DE3) cells which contain a T7 RNA polymerase gene in their chromosome. Expression in both systems resulted in the synthesis of...

DESCRIPTORS: ARBOVIRUS ESCHERICHIA-COLI BACTERIOPHAGE T7 PROMOTER  
 COMPLEMENTARY DNA CLONE PROTEIN SYNTHESIS

DESCRIPTORS:

...BIOSYSTEMATIC NAMES: dsRNA Viruses, Viruses, Microorganisms

?

Set	Items	Description
S1	317	(DSRNA) (S) (VECTOR)
S2	26	S1 AND (MICROORGANISM OR (E (W) COLI) OR NEMATODE OR (C (W) ELEGANS))
S3	0	S2 AND ((T7 OR T3 OR SP6) (W) PROMOTER)
S4	16	RD S2 (unique items)
S5	7	S4 NOT PY>1998
S6	92	S1 NOT PY>1998
S7	46	RD (unique items)
S8	3	S7 AND T7
S9	0	S7 AND (SPECIFIC (W) INTERFERENCE)
S10	26	(DSRNA) AND (T7 AND PLASMID)
S11	13	RD (unique items)
S12	5	S11 NOT PY>1998

?

COST

28dec06 17:56:51 User259876 Session D964.2

\$4.79 1.410 DialUnits File155

\$1.54 7 Type(s) in Format 3

\$1.54 7 Types

\$6.33 Estimated cost File155

\$9.60 1.599 DialUnits File5

\$15.40 7 Type(s) in Format 3

\$15.40 7 Types

\$25.00 Estimated cost File5

\$13.91 1.242 DialUnits File73

\$3.10 1 Type(s) in Format 3

\$3.10 1 Types

\$17.01 Estimated cost File73

OneSearch, 3 files, 4.251 DialUnits FileOS

\$2.13 INTERNET

\$50.47 Estimated cost this search

\$50.91 Estimated total session cost 4.368 DialUnits

?

**Return to logon page!**

## Refine Search

### Search Results -

Term	Documents
FIRE-ANDREW	10
FIRE-ANDREWS	0
FIRE-ANDREW.IN..PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	10
(FIRE-ANDREW.IN. ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	10

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L10

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, December 28, 2006   [Purge Queries](#)   [Printable Copy](#)   [Create Case](#)

Set Name   Query  
 side by side

Hit Count   Set Name  
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;  
 OP=AND

<u>L10</u>	Fire-Andrew.in.	10	<u>L10</u>
<u>L9</u>	L6 and (C adj elegans)	162	<u>L9</u>
<u>L8</u>	L7 and L6	7	<u>L8</u>
<u>L7</u>	((identical or "same") adj promoters)	2993	<u>L7</u>
<u>L6</u>	L4 not L5	189	<u>L6</u>
<u>L5</u>	L4 and ((T7 or T3 or SP6) adj promoter)	58	<u>L5</u>
<u>L4</u>	L3 same (microorganism or coli or nematode or elegans)	247	<u>L4</u>

L3 (dsRNA) same (vector)  
L2 L1 and (dsRNA)  
L1 Plaetinck-Geert.in.

1035 L3  
10 L2  
18 L1

END OF SEARCH HISTORY

**PALM INTRANET**Day : Thursday  
Date: 12/28/2006

Time: 16:24:08

## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name****First Name**

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Day : Thursday  
Date: 12/28/2006

Time: 16:24:08

## Inventor Name Search

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**Last Name**

**First Name**

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